

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("5220601").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 08:55
L2	9	("3928847"   "4086588"   "4318087"   "4346369"   "4390754"   "4414538"   "4554530"   "4821033"   "5025255").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 08:58
L3	3	("3721976"   "3740744"   "4157539").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 09:31
L4	9	("4414538").URPN.	USPAT	OR	ON	2006/04/19 09:33
L5	10	(positive WITH (voltage OR potential OR charge) WITH ((push\$3 OR press\$3) NEAR2 down)) AND (negative WITH (voltage OR potential OR charge) WITH (lift\$3 OR rais\$3 OR up OR releas\$3 OR up))	USPAT	OR	ON	2006/04/19 09:38
L6	150	(keyboard OR keypad) AND ((button OR key OR switch) SAME positive SAME (voltage OR potential OR charge) SAME (push\$3 OR press\$3 OR down)) AND ((button OR key OR switch) SAME negative SAME (voltage OR potential OR charge) SAME (lift\$3 OR rais\$3 OR up OR releas\$3 OR up OR remov\$3))	USPAT	OR	ON	2006/04/19 09:39
L7	265164	((("340") or ("341") or ("345"))).CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 09:40
L8	20	L7 AND L6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 10:06
L9	326	L7 AND (keypad OR keyboard) AND ((key OR switch\$3 OR button) SAME capacitor SAME (amp OR amplifier OR amplify\$3) SAME (voltage OR potential OR charge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 10:13
L10	38	L7 AND (keypad OR keyboard) AND ((key OR switch\$3 OR button) WITH capacitor WITH (amp OR amplifier OR amplify\$3) WITH (voltage OR potential OR charge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 10:12
L11	4378	((341/22,26,34) or (345/168)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 10:12
L12	4	L11 AND (keypad OR keyboard) AND ((key OR switch\$3 OR button) WITH capacitor WITH (amp OR amplifier OR amplify\$3) WITH (voltage OR potential OR charge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 10:13
L13	35	L11 AND (keypad OR keyboard) AND ((key OR switch\$3 OR button) SAME capacitor SAME (amp OR amplifier OR amplify\$3) SAME (voltage OR potential OR charge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 10:13

## EAST Search History

S1	2	("20050024337").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 08:55
S2	4365	((341/22,26,34) or (345/168)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 13:25
S3	15	((("5386584") or ("5585792") or ("6198820") or ("5700194") or ("3765015") or ("3973256") or ("2002171564"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 09:45
S4	483	(detect\$3 OR sens\$3 OR determin\$3 OR determinat\$3) SAME (capacitor OR capacitive OR capacitance) SAME (amp OR amplify\$3 OR amplifier) SAME (comparator OR compar\$3) SAME ("or" NEAR2 (gate OR circuit))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 10:11
S5	62634	parallel NEAR2 serial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 09:50
S6	566939	(key OR switch\$3 OR button) WITH (voltage OR potential OR ground\$3 OR grnd)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 09:51
S7	1	S2 AND S4 AND S5 AND S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 10:08
S8	9	S4 AND S5 AND S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 10:10
S9	1404	(detect\$3 OR sens\$3 OR determin\$3 OR determinat\$3) SAME (capacitor OR capacitive OR capacitance) SAME (comparator OR compar\$3) SAME ("or" NEAR2 (gate OR circuit))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 10:09
S10	34	S9 AND S5 AND S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 10:10
S11	320892	(detect\$3 OR sens\$3 OR determin\$3 OR determinat\$3) SAME (capacitor OR capacitive OR capacitance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 12:43
S12	17	S2 AND S5 AND S6 AND S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 12:14

## EAST Search History

S13	2481	(continuous\$2 OR continually OR continu\$3) NEAR poll\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 10:13
S14	8	S2 AND S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 10:18
S15	27	S2 AND S5 AND S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 12:14
S16	3	("3721976"   "3740744"   "4157539").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/10 12:40
S17	9	("4414538").URPN.	USPAT	OR	ON	2006/04/10 12:40
S18	85696	(detect\$3 OR sens\$3 OR determin\$3 OR determinat\$3) SAME (capacitor OR (capacitive ADJ (element OR device)) OR capacitance) SAME (key OR button OR switch\$3) SAME (voltage OR potential OR charge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 13:26
S19	113	S2 AND S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 12:48
S20	980	(341/26,34).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 13:25
S21	106351	(capacitor OR (capacitive ADJ (element OR device)) OR capacitance) WITH (key OR button OR switch\$3) WITH (voltage OR potential OR charge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 13:26
S22	52	S20 AND S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 13:28
S23	1523	keyboard AND ((capacitor OR (capacitive ADJ (element OR device)) OR capacitance) WITH (amp OR amplifier OR (amplify\$3 ADJ (means OR device OR device))) WITH (voltage OR potential))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 13:51
S24	13	S20 AND S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 13:49
S25	18	S2 AND S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 13:49

## EAST Search History

S26	5	S25 NOT S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 13:49
S27	278	keyboard AND ((key OR button OR switch\$3) WITH (capacitor OR (capacitive ADJ (element OR device)) OR capacitance) WITH (amp OR amplifier OR (amplify\$3 ADJ (means OR device OR device))) WITH (voltage OR potential))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 13:53
S28	61268	(capacitor OR (capacitive ADJ element)) NEAR5 (hold\$3 OR stor\$3) NEAR5 (charg\$3 OR voltage OR potential)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 15:07
S29	981	(341/26,34).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/18 12:35
S30	15	S29 AND S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 15:07
S31	12899	((capacitor OR (capacitive ADJ element)) NEAR5 (hold\$3 OR stor\$3) NEAR5 (charg\$3 OR voltage OR potential)) SAME (amp OR amplifier OR amplify\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 12:35
S32	4	S29 AND S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 15:07
S33	28963	((capacitor OR (capacitive ADJ element)) NEAR5 (hold\$3 OR stor\$3) NEAR5 (charg\$3 OR voltage OR potential)) AND (amp OR amplifier OR amplify\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 12:35
S34	981	(341/26,34).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/18 12:36
S35	9	S33 AND S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 13:06
S36	7348	(positive NEAR2 (comparator OR compar\$3)) AND (negative NEAR2 (comparator OR compar\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 13:29
S37	325458	keyboard	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 13:07

## EAST Search History

S38	40642	(345/168).CCLS. or ("341").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/18 13:07
S39	18	S38 AND S37 AND S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 13:41
S40	35124	(positive WITH (comparator OR compar\$3)) AND (negative WITH (comparator OR compar\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 13:54
S41	47	S38 AND S37 AND S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 13:30
S42	29	S41 NOT S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 13:30
S43	1	"4040036".PN.	USPAT; USOCR	OR	ON	2006/04/18 13:35
S44	9	S34 AND (("or" ADJ gate) WITH (comparator OR compar\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 13:45
S45	50658	(comparator OR compar\$3) WITH (capacitor OR (capacitive ADJ element))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 13:54
S46	75	S38 AND S37 AND S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 15:59
S47	158	active ADJ (keypad OR keyboard)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 15:59
S48	4378	((341/22,26,34) or (345/168)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/18 16:01
S49	4378	S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 16:01

## EAST Search History

S50	22	S48 AND S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 16:04
S51	3	(Yi NEAR Tsung NEAR Cheng)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 16:11
S52	15	((("5386584") or ("5585792") or ("6198820") or ("2002171564") or ("5700194") or ("3765015") or ("3973256"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/18 16:09
S53	4	"0478141"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 16:10
S54	2	("0478141").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/18 16:10
S55	2	("0478141").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/18 16:10
S56	14	"1521166"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 16:11